FILAMENT INNOVATIONS
INDUSTRIAL & HIGH-FLOW 3D PRINTERS
BUILT IN PENNSYLVANIA

ICARUS

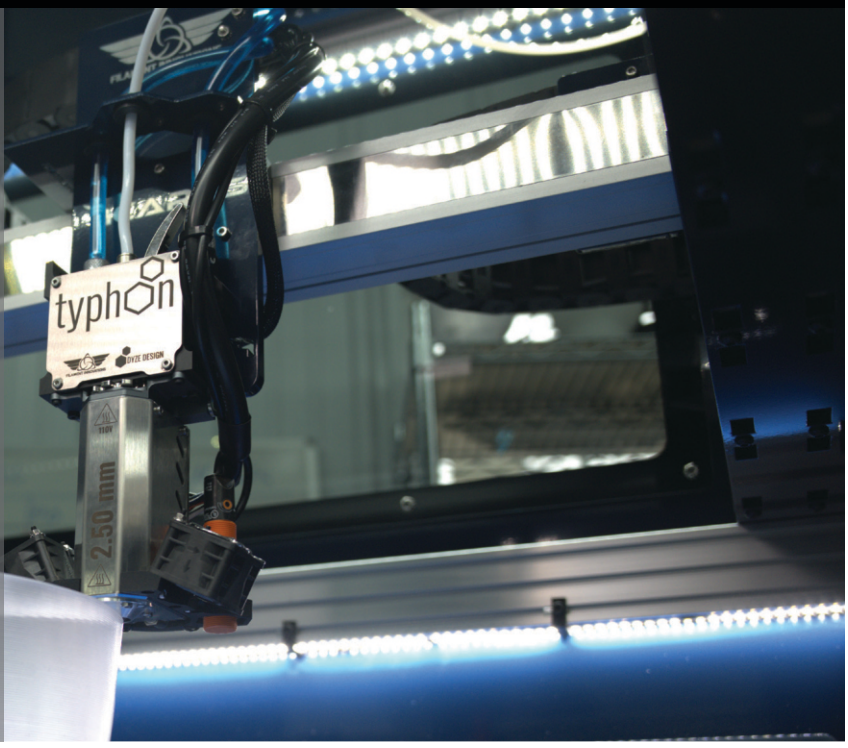
FULLY EQUIPPED AT
$31,000.00

HIGH-FLOW 3D PRINTING SYSTEMS

The ICARUS 3D Printer, by Filament Innovations, was created for High-Flow 3D Printing. High-Flow 3D Printing means larger objects can be printed in a fraction of the time, at nearly 2lbs of filament per hour. One copy of the ODIN slicer is included with each purchase of the ICARUS. ODIN was developed by Filament Innovations to make slicing for high-flow extrusion simpler and easier.

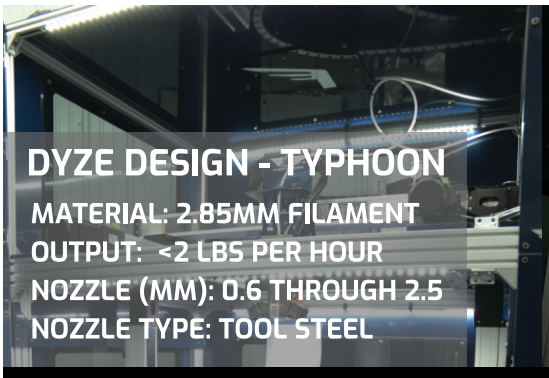
The ICARUS has found a home in the prosthetics field thanks to its ability to print prosthetic sockets in 60 - 90 minutes.

ONE PRICE. ONE ECOSYSTEM. BUILT IN THE USA.



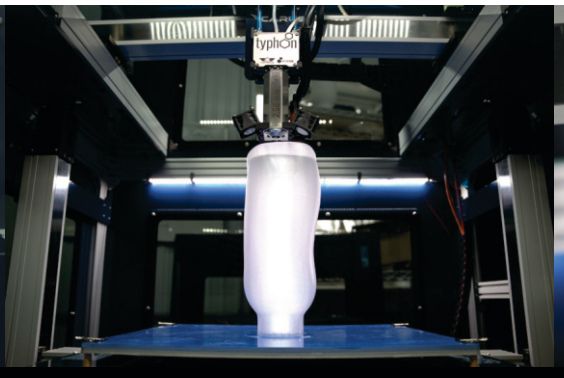
SPECIFICATIONS

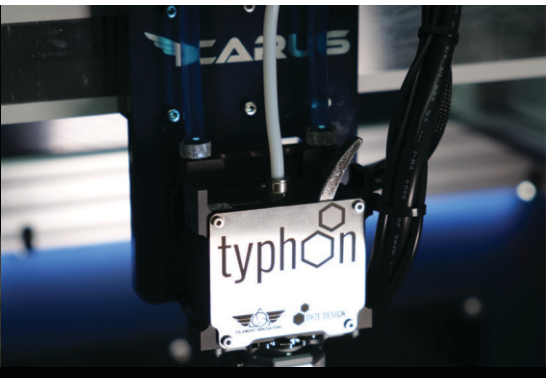
- **MACHINE SIZE (W,D,H):** 54"x35"x76"
- **WEIGHT:** ~450lbs
- **PRINT AREA (X,Y,Z):** 460x380x950mm
- **MOTORS:** LEADSHINE CLOSED-LOOP ON XY
- **MOTION:** ENCLOSED PRECISION BALLSCREWS
- **EXTRUSION:** DYZE DESIGN TYPHOON HIGH-FLOW
- **PRINT MONITORING:** ORTHUS - JAM & RUNOUT
- **PRINT SURFACES:** PEI, BUILDTAK, STEEL
- **PRINT PLATE:** MAGNETIC SPRING STEEL
- **BUILD PLATE:** 3/8" MIC-6
- **MAX PRINT TEMPERATURE:** 450C
- **MAX BED TEMPERATURE:** 120C
- **EXTRUDER PROBE(S):** PT100
- **BED LEVELING:** TWO Z AXIS TILT & MESH
- **ELECTRONICS:** DUET 2 ECOSYSTEM
- **MACHINE POWER:** 110VAC 15AMP
- **TOUCHSCREEN:** 7"
- **CONNECTIVITY:** WiFi & MicroSD
- **WATER-COOLING:** ON-BOARD
- **SLICER:** ODIN



DYZE DESIGN - TYPHOON

MATERIAL: 2.85MM FILAMENT
OUTPUT: <2 LBS PER HOUR
NOZZLE (MM): 0.6 THROUGH 2.5
NOZZLE TYPE: TOOL STEEL





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INDUSTRIAL & HIGH-FLOW 3D PRINTERS
BUILT IN PENNSYLVANIA

ARES

FULLY EQUIPPED AT
$79,000.00

COMPLETE PELLET 3D PRINTING SYSTEMS

The ARES 3D Printer, by Filament Innovations, was created to allow everyone to have access to a complete pellet extrusion system. The purchase price includes the printer, a 25kg pellet dryer, and one copy of the ODIN slicer. ODIN was developed by Filament Innovations to make slicing for pellet extrusion simpler and easier.

With the price of pellets roughly 50% cheaper than filament, and an output rate of 3 - 5 lbs per hour, both material costs and print times decrease.

ONE PRICE. ONE ECOSYSTEM. BUILT IN THE USA.

SPECIFICATIONS

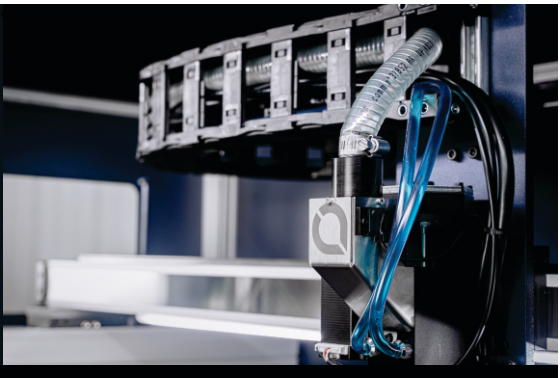
- **MACHINE SIZE (W,D,H):** 71"x35"x76"
- **WEIGHT:**~650lbs
- **PRINT AREA (X,Y,Z):** 850x450x925mm
- **MOTORS:** LEADSHINE CLOSED-LOOP
- **MOTION:** ENCLOSED PRECISION BALLSCREWS
- **EXTRUSION:** DYZE DESIGN PULSAR FGF SYSTEM
- **PELLET FEEDING:** PNEUMATIC VENTURI SYSTEM
- **PRINT SURFACES:** PEI, BUILDTAK, STEEL
- **PRINT PLATE:** MAGNETIC SPRING STEEL
- **BUILD PLATE:** 3/8" MIC-6
- **MAX PRINT TEMPERATURE:** 450C
- **MAX BED TEMPERATURE:** 120C
- **BED LEVELING:** FOUR Z AXIS TILT & MESH
- **ELECTRONICS:** DUET 3 ECOSYSTEM
- **TOUCHSCREEN:** 15" AND 7"
- **CONNECTIVITY:** ETHERNET, WiFi, USB
- **WATER-COOLING:** ON-BOARD S&A CW-3000
- **MACHINE POWER:** 110VAC 20AMP
- **DRYER POWER:** 110VAC 15AMP
- **DRYER CAPACITY**: 25kg

FACILITY REQUIREMENTS

100PSI COMPRESSED AIR FOR THE ARES - 100PSI COMPRESSED AIR FOR THE PELLET DRYER

DYZE DESIGN - PULSAR

MATERIAL: PELLET
OUTPUT: ~3-5 LBS PER HOUR
NOZZLE (MM): 1.0 THROUGH 5.0
NOZZLE TYPE: TOOL STEEL



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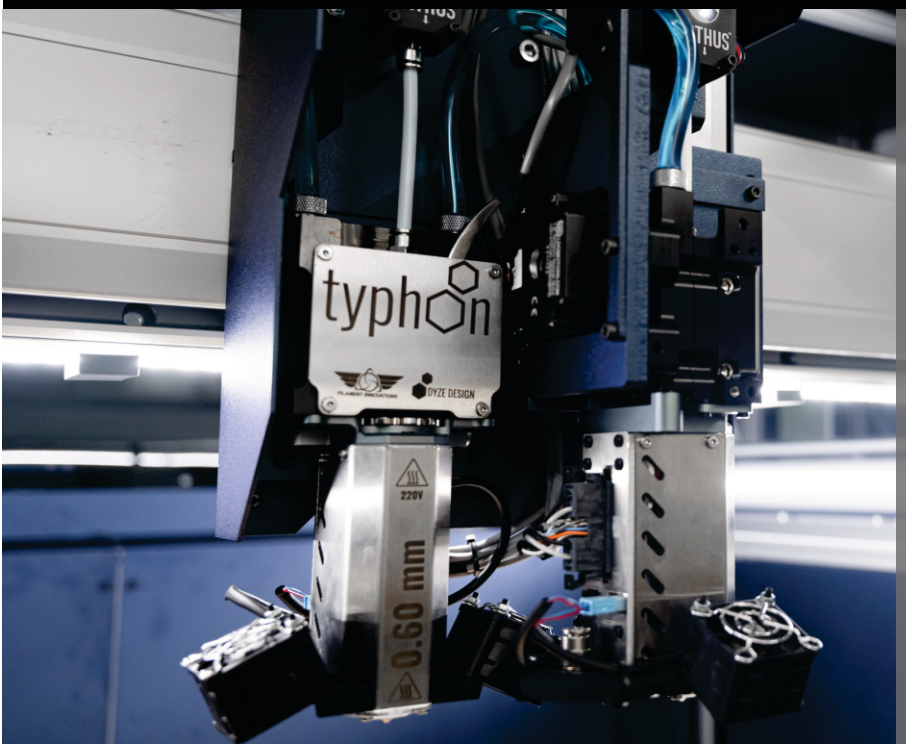
POSEIDON

FULLY EQUIPPED AT
$125,000.00



CUSTOMIZED 3D PRINTING SYSTEMS

The POSEIDON 3D Printer, by Filament Innovations, was designed to be a hybrid platform, meaning FGF and FDM 3D Printing is inside one machine. For one price, this machine can meet all your 3D Printing requirements. Our one price solution includes over a 1M3 build area, pellet extrusion, high-flow filament extrusion, 25kg pellet dryer, and the ODIN slicing software.

Customization is key at Filament Innovations, and the extrusion gantry can be customized to the user's needs. Perhaps you want dual-filament extrusion? Or pellet only? We can do it.

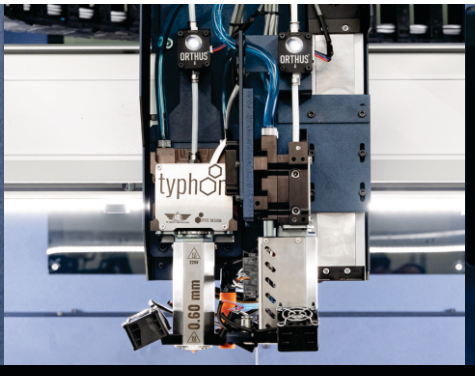
ONE PRICE. ONE ECOSYSTEM. BUILT IN THE USA.

SPECIFICATIONS

- **MACHINE SIZE (W,D,H):** 92"x70"x88"
- **WEIGHT:**~2,000lbs
- **PRINT AREA (X,Y,Z):** 1060x1080x1050mm
- **X&Y MOTORS:** TEKNIC SERVOS
- **MOTION:** HIGH-SPEED BELT SYSTEM (500mm/s)
- **EXTRUSION:** PELLET AND HIGH-FLOW FILAMENT
- **PELLET FEEDING:** PNEUMATIC VENTURI SYSTEM
- **PRINT SURFACES:** PEI, BUILDTAK, G10/FR4, STEEL
- **PRINT PLATE:** MAGNETIC SPRING STEEL
- **BUILD PLATE:** 3/8" MIC-6
- **MAX PRINT TEMPERATURE:** 450C
- **MAX BED TEMPERATURE:** 120C
- **BED LEVELING:** FOUR Z AXIS TILT & MESH
- **ELECTRONICS:** DUET 3 ECOSYSTEM
- **TOUCHSCREEN:** 15" AND 7"
- **CONNECTIVITY:** ETHERNET, WiFi, USB
- **WATER-COOLING:** ON-BOARD S&A CW-3000
- **MACHINE POWER:** 220/240VAC 50AMP
- **DRYER POWER:** 110VAC 15AMP
- **DRYER CAPACITY**: 25kg

FACILITY REQUIREMENTS

100PSI COMPRESSED AIR FOR THE POSEIDON - 100PSI COMPRESSED AIR FOR THE PELLET DRYER



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